

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An electrostatic discharge (ESD) protection device, applied to a mixed voltage circuit assembly with independent first and second power supplies, wherein the ~~[[a]]~~ first power supply ~~[[that]]~~ has a high voltage source and a low voltage source and ~~[[a]]~~ the second power supply ~~[[that]]~~ has a high voltage source and a low voltage source, said device comprising:

a RC controlled circuit subassembly, coupled with said mixed voltage circuit assembly, utilizing for substantially controlling said ESD protection device to be ON or OFF, wherein said RC controlled circuit subassembly comprising:

a resistance, one end of said resistance coupled to the high voltage source of said first power supply; and

a capacitor, one end of said capacitor coupled to the low voltage source of said second power supply and the other end of said capacitor coupled to said resistance; and

a first transistor, the source electrode of said first transistor coupled to the high voltage source of said first power supply, the drain electrode of said first transistor coupled to the high voltage source of said second power supply and the gate electrode coupled to said RC controlled circuit subassembly for providing a current route between the high voltage source of said first power supply and the high voltage source of said second power supply on an ESD event, wherein said RC controlled circuit is used to control said first transistor to be ON or OFF.

2. (canceled)

3. (currently amended) The device as recited in claim ~~[[2]]~~ 1, wherein the RC time constant of said resistance and said capacitor is about 0.1 to 10 μ sec.

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